

PEARL COAT 9301

TECHNICAL DATA SHEET

APPLICATION:

TGIC Cure Polyester Resin 9307 for architectural purpose.

PRINCIPAL PROPERTIES

- Medium cure
- Outdoor Durable
- High Tg

PRODUCT SPECIFICATIONS

PROPERTY	RANGE	UNIT	TM
Viscosity	40-70	Poise	4287-94
Acid value	28-36	Mg of KOH/gm	2400
Color	Max 4	Gardner	-
Tg	65-70	°C	-

STORAGE GUIDELINES

The resin should be stored indoors in the original unopened and undamaged bags in a dry place at storage temperature below 30°C. Exposure to direct sunlight should be avoided.

SHELF LIFE

Under the above-mentioned storage conditions the shelf life of the resin will be 12 months ex-works.

DELIVERY FORM

Granules in 25 kgs HDPE bags

STARTING FORMULATION
White Glossy Coating

Component	Weight
9301	55.80
TGIC	4.20
Filler (Blank fix)	8.30
Flow Aid	0.80
Titanium Dioxide	30.00
Benzoin	0.30
PE Wax	0.20
Fumed Silica	0.20

MATERIAL SAFETY

A material safety data sheet is available on request.

APPLICATION PROCEDURE

Tribo or corona spray gun, voltage 60-80 KV: 0.4-0.8mm MS panels, pretreated, coating thickness appr. 50-60 microns, stoving in air circulation oven.

BAKING SCHEDULE

10 minutes at 200°C effective metal temperature.

MECHANICAL PROPERTIES OF GLOSSY POWDER COATING

PROPERTY	VALUE	UNIT
Cupping test (Erichsen slow penetration)	>5	mm
Forward impact (ASTM 2794)	160	Kg.cm
Reverse impact (ASTM 2794)	160	Kg.cm
Salt spray test 1000 hrs	Pass	-
UV resistance	300	hrs